

ELECTRICAL LEGEND – EXTERIOR UNDERGROUND

SYMBOL	DESCRIPTION
	UNDERGROUND DUCTBANK, CONCRETE ENCASED UNON. MINIMUM 24" BELOW GRADE. DESCRIPTION AS INDICATED.

TEXT KEY

- UC UNDERGROUND CONTROL/POWER
- UP UNDERGROUND PRIMARY
- UT UNDERGROUND TELEPHONE
- US UNDERGROUND SECONDARY

PROPOSED LOCATION OF LOCAL POWER COMPANY PAD MOUNTED TRANSFORMER

HANDHOLE TYPE 5 UNON. P INDICATES POWER, T INDICATES COMMUNICATIONS. SEE DETAIL SHEET E-103

MANHOLE. P INDICATES POWER, T INDICATES COMMUNICATIONS. SEE DETAIL SHEET E-103

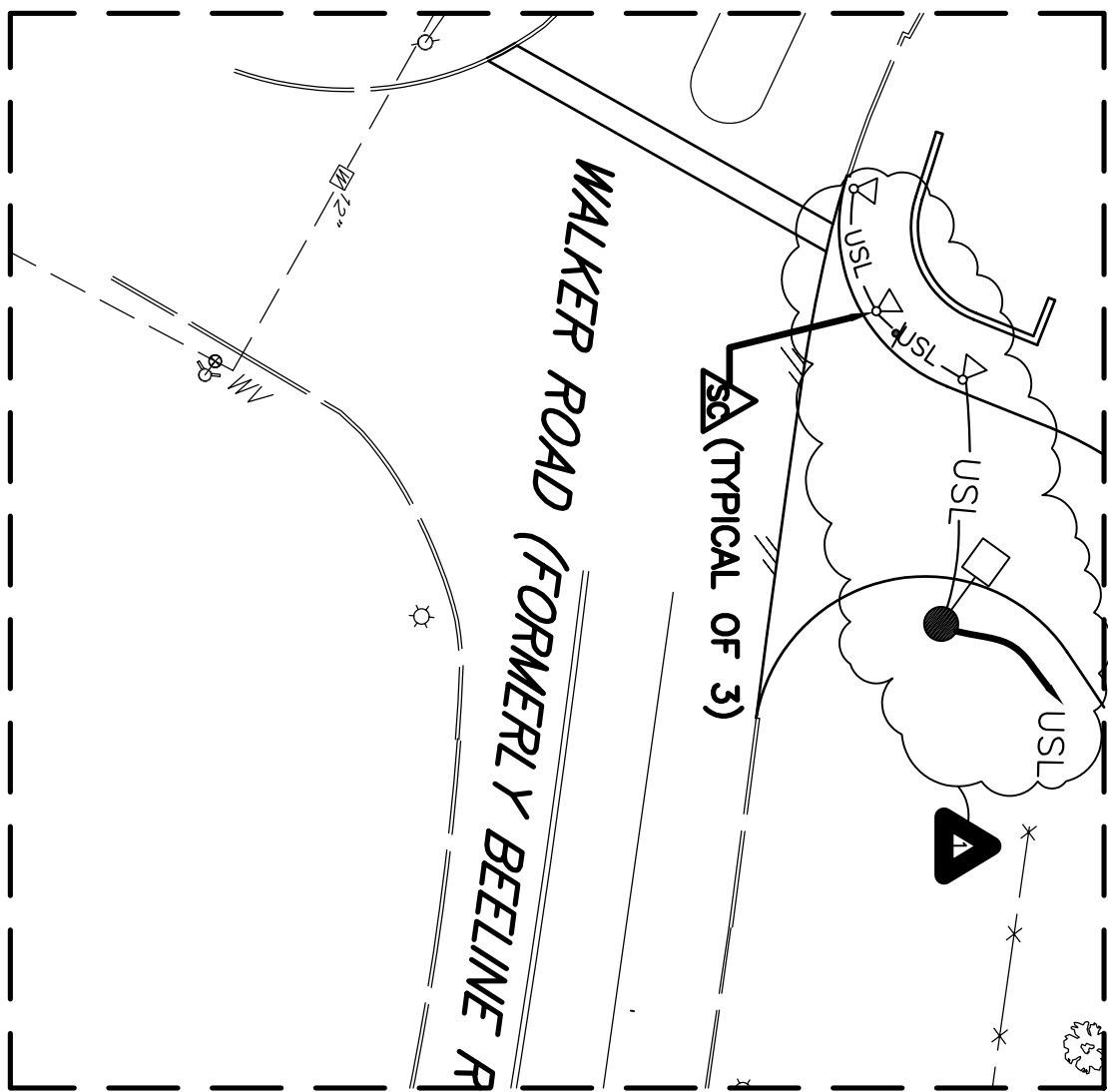
AREA LIGHTING POLE WITH LUMINAIRE(S)

UNDERGROUND SITE LIGHTING, 2#8, 1#10G. – 2" PVC DB, UNON

HANDHOLE TYPE 3, UNON

CONDUIT SEAL OFF

-
-
-
-



ELECTRICAL ENLARGED SITE PLAN
SCALE: 1" = 20'-0"

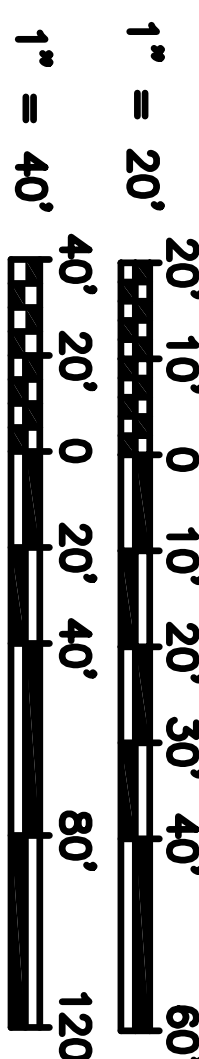
LIGHTING FIXTURE SCHEDULE

CONTRACT DRAWING FIXTURE MARK	LAMP TYPE	NO.	WATTS	ZONAL CAVITY METHOD RCR=1			SPACING TO MTG. NO.	MOUNTING
				FIXTURE VOLTAGE	EFFECTIVE REFLECTANCE	COEFF. OF UTIL.		
	R3	HPS	1	250	480	-	-	1.2.4
	R4	HPS	1	250	480	-	-	1.3.4
	MH	1	250	120	-	-	-	GRADE
	R4	HPS	1	250	480	-	-	1.3.4

NOTES:

- POLE MOUNT ON 25 FOOT ROUND ALUMINUM POLE. MOUNT POLE ON CONCRETE BASE.
- TYPE III DISTRIBUTION
- TYPE IV FORWARD THROW DISTRIBUTION.
- PROVIDE QUANTITY OF FIXTURES PER POLE AS GRAPHICALLY INDICATED.
- COORDINATE EXACT LOCATION WITH CONTRACTING OFFICER.

GRAPHIC SCALES



ELECTRICAL SITE PLAN
SCALE: 1" = 40'-0"

NOTES:

(THIS SHEET ONLY)

- 3-4" PVC CONCRETE ENCASED DUCTS WITH 3 PULLWIRES EACH DUCT, MINIMUM 24" BELOW GRADE FOR UNDERGROUND TELEPHONE SERVICE. CONNECT UNDERGROUND DUCT TO EXISTING TELEPHONE COMPANY MANHOLE IN ACCORDANCE WITH TELEPHONE COMPANY REQUIREMENTS. CUT AND PATCH PAVEMENT AS REQUIRED. COORDINATE WITH LOCAL TELEPHONE COMPANY. STUB UP CONDUITS INTO COMMUNICATIONS ROOM. COORDINATE EXACT LOCATION WITH OWNER.
- 3-4" PVC CONCRETE ENCASED DUCTS WITH 3 PULLWIRES EACH DUCT, FOR EQUIPMENT CONNECTIONS.
- 6-4" AND 1-2" PVC CONCRETE ENCASED DUCTS WITH PULLWIRE FOR EMERGENCY GENERATOR SERVICE. STUB INTO ELECTRIC ROOM AND GENERATOR PAD. COORDINATE STUB UPS WITH OWNER AND LOCAL POWER COMPANY.
- 2-6" PVC CONCRETE ENCASED DUCTS WITH PULLWIRE.
- 2-4" PVC DB CONDUITS WITH 3 PULLWIRES EACH DUCT, STUB UP INTO ELECTRIC ROOM AND GENERATOR PAD. COORDINATE WITH OWNER.
- 2-6" GALVANIZED RIGID STEEL DUCTS WITH PULLWIRE FOR POWER COMPANY PRIMARY CABLING. JACK AND BORE CONDUITS UNDER ROADS. COORDINATE WITH LOCAL POWER COMPANY.
- CCTV CAMERA LOCATION

FOR ADDITIONAL WORK
THIS AREA SEE ENLARGED
ELECTRICAL SITE PLAN
THIS SHEET

NOTE:
CONDUITS UNDERGROUND SHALL
SHALL HAVE A 24" MINIMUM COVER

GENERAL NOTE:

- REFER TO RFP PARAGRAPH 4-18 FOR POWER, TELEPHONE AND CABLE TV SERVICE REQUIREMENTS.

REV.	DATE	DESCRIPTION	BY	APP.
1	9/29/04	RFP COORDINATION		

DESIGNED: GDA	CHECKED: GDA	DATE: 16-AUGUST-04
DRAWN: SCW	SUBMITTED:	SCALE: AS SHOWN
PROJECT NO. PN 33075	NORFOLK DISTRICT FILE NO.	
DRAWING NO.	SPECIFICATION NO.	
Last worked on:		Plot scale: 1:1
File name:		0317E101ES401XXX